

Data Path : Z:\SVOASRV\HPCHEM1\BNA\_F\DATA\BF040120\  
 Data File : BF119698.D  
 Acq On : 2 Apr 2020 5:46  
 Operator : MA/SJ  
 Sample : L2055-03  
 Misc :  
 ALS Vial : 48 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 SB-6-(1-3)

Integration Parameters: rteint.p  
 Integrator: RTE  
 Smoothing : ON  
 Sampling : 1  
 Start Thrs: 0.2  
 Stop Thrs : 0  
 Filtering: 5  
 Min Area: 3 % of largest Peak  
 Max Peaks: 100  
 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >  
 Peak separation: 5

Method : Z:\SVOASRV\HPCHEM1\BNA\_F\METHODS\8270-BF031820.M  
 Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

Signal : TIC

| peak # | R.T. min | first scan | max scan | last scan | PK TY | peak height | corr. area | corr. % max. | % of total |
|--------|----------|------------|----------|-----------|-------|-------------|------------|--------------|------------|
| 1      | 2.169    | 11         | 14       | 25        | rVB2  | 111575      | 168531     | 2.98%        | 0.295%     |
| 2      | 5.022    | 494        | 499      | 506       | rVB   | 152503      | 192427     | 3.40%        | 0.337%     |
| 3      | 5.422    | 562        | 567      | 570       | rBV   | 5220781     | 5367681    | 94.83%       | 9.394%     |
| 4      | 6.439    | 734        | 740      | 743       | rBV   | 4879726     | 5267580    | 93.06%       | 9.219%     |
| 5      | 6.810    | 799        | 803      | 806       | rBV   | 1904724     | 1457435    | 25.75%       | 2.551%     |
| 6      | 6.969    | 825        | 830      | 833       | rBV   | 5042604     | 4261519    | 75.29%       | 7.458%     |
| 7      | 7.375    | 893        | 899      | 902       | rBV   | 3759508     | 3553563    | 62.78%       | 6.219%     |
| 8      | 8.092    | 1017       | 1021     | 1024      | rBV   | 2229288     | 1915318    | 33.84%       | 3.352%     |
| 9      | 8.116    | 1024       | 1025     | 1030      | rVB   | 198631      | 111076     | 1.96%        | 0.194%     |
| 10     | 8.810    | 1140       | 1143     | 1145      | rVB   | 84848       | 72254      | 1.28%        | 0.126%     |
| 11     | 9.175    | 1200       | 1205     | 1208      | rBV   | 6690043     | 5660173    | 100.00%      | 9.906%     |
| 12     | 9.563    | 1268       | 1271     | 1276      | rBV   | 801273      | 695358     | 12.29%       | 1.217%     |
| 13     | 9.710    | 1293       | 1296     | 1300      | rBV   | 294201      | 239447     | 4.23%        | 0.419%     |
| 14     | 9.851    | 1315       | 1320     | 1323      | rBV   | 2431168     | 1953640    | 34.52%       | 3.419%     |
| 15     | 10.398   | 1410       | 1413     | 1420      | rVB2  | 53059       | 70739      | 1.25%        | 0.124%     |
| 16     | 10.639   | 1450       | 1454     | 1457      | rBV   | 3765830     | 3385634    | 59.82%       | 5.925%     |
| 17     | 10.739   | 1468       | 1471     | 1473      | rBV   | 98560       | 87199      | 1.54%        | 0.153%     |
| 18     | 10.763   | 1473       | 1475     | 1481      | rVB2  | 96139       | 116892     | 2.07%        | 0.205%     |
| 19     | 11.004   | 1513       | 1516     | 1519      | rBV   | 117954      | 102133     | 1.80%        | 0.179%     |
| 20     | 11.239   | 1553       | 1556     | 1560      | rVB2  | 60023       | 67032      | 1.18%        | 0.117%     |
| 21     | 11.339   | 1569       | 1573     | 1575      | rBV   | 2231465     | 1867216    | 32.99%       | 3.268%     |
| 22     | 11.363   | 1575       | 1577     | 1580      | rVV   | 498358      | 388175     | 6.86%        | 0.679%     |
| 23     | 11.410   | 1580       | 1585     | 1588      | rVB   | 219877      | 199945     | 3.53%        | 0.350%     |
| 24     | 11.445   | 1588       | 1591     | 1595      | rBV3  | 104014      | 117114     | 2.07%        | 0.205%     |
| 25     | 11.792   | 1647       | 1650     | 1655      | rBV   | 214940      | 234779     | 4.15%        | 0.411%     |
| 26     | 11.839   | 1655       | 1658     | 1660      | rBV   | 121570      | 102725     | 1.81%        | 0.180%     |
| 27     | 11.874   | 1660       | 1664     | 1668      | rBV2  | 1537559     | 1534395    | 27.11%       | 2.685%     |
| 28     | 11.951   | 1674       | 1677     | 1679      | rBV   | 206610      | 201538     | 3.56%        | 0.353%     |
| 29     | 11.974   | 1679       | 1681     | 1684      | rVB   | 98574       | 73160      | 1.29%        | 0.128%     |
| 30     | 12.133   | 1706       | 1708     | 1710      | rBV   | 74089       | 66328      | 1.17%        | 0.116%     |
| 31     | 12.392   | 1748       | 1752     | 1754      | rBV   | 126176      | 132190     | 2.34%        | 0.231%     |
| 32     | 12.433   | 1755       | 1759     | 1763      | rVB2  | 102860      | 163570     | 2.89%        | 0.286%     |
| 33     | 12.474   | 1763       | 1766     | 1770      | rBV2  | 113198      | 137022     | 2.42%        | 0.240%     |
| 34     | 12.551   | 1775       | 1779     | 1782      | rBV   | 1277310     | 1103434    | 19.49%       | 1.931%     |

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Sample : L2055-03  
Misc :  
ALS Vial : 48 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
SB-6-(1-3)

Integration Parameters: rteint.p  
Integrator: RTE  
Smoothing : ON Filtering: 5  
Sampling : 1 Min Area: 3 % of largest Peak  
Start Thrs: 0.2 Max Peaks: 100  
Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >  
Peak separation: 5

Method : Z:\SVOASRV\HPCHEM1\BNA\_F\METHODS\8270-BF031820.M  
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

|    |        |      |      |      |      |         |         |        |        |
|----|--------|------|------|------|------|---------|---------|--------|--------|
| 35 | 12.598 | 1785 | 1787 | 1792 | rVB5 | 133623  | 147276  | 2.60%  | 0.258% |
| 36 | 12.657 | 1792 | 1797 | 1803 | rBV2 | 437920  | 595814  | 10.53% | 1.043% |
| 37 | 12.780 | 1812 | 1818 | 1821 | rBV  | 1257966 | 1140059 | 20.14% | 1.995% |
| 38 | 12.827 | 1824 | 1826 | 1831 | rVB2 | 94152   | 116956  | 2.07%  | 0.205% |
| 39 | 12.898 | 1835 | 1838 | 1839 | rBV2 | 74881   | 67640   | 1.20%  | 0.118% |
| 40 | 12.927 | 1839 | 1843 | 1846 | rBV  | 4777347 | 4221652 | 74.59% | 7.389% |
| 41 | 12.998 | 1851 | 1855 | 1859 | rBV2 | 122272  | 197964  | 3.50%  | 0.346% |
| 42 | 13.110 | 1871 | 1874 | 1877 | rVB  | 217668  | 201798  | 3.57%  | 0.353% |
| 43 | 13.168 | 1881 | 1884 | 1887 | rVB2 | 129952  | 187403  | 3.31%  | 0.328% |
| 44 | 13.210 | 1889 | 1891 | 1897 | rVB  | 153049  | 151142  | 2.67%  | 0.265% |
| 45 | 13.304 | 1905 | 1907 | 1910 | rVB  | 113906  | 90571   | 1.60%  | 0.159% |
| 46 | 13.333 | 1910 | 1912 | 1916 | rBV  | 88202   | 88724   | 1.57%  | 0.155% |
| 47 | 13.410 | 1922 | 1925 | 1930 | rVB5 | 151880  | 129457  | 2.29%  | 0.227% |
| 48 | 13.504 | 1939 | 1941 | 1944 | rBV  | 154795  | 144086  | 2.55%  | 0.252% |
| 49 | 13.757 | 1982 | 1984 | 1986 | rBV  | 94110   | 69136   | 1.22%  | 0.121% |
| 50 | 13.833 | 1994 | 1997 | 2006 | rVB2 | 674961  | 962329  | 17.00% | 1.684% |
| 51 | 13.980 | 2017 | 2022 | 2024 | rBV2 | 1565452 | 1971617 | 34.83% | 3.451% |
| 52 | 14.004 | 2024 | 2026 | 2029 | rVB  | 510959  | 383571  | 6.78%  | 0.671% |
| 53 | 14.151 | 2049 | 2051 | 2056 | rVB2 | 245504  | 258650  | 4.57%  | 0.453% |
| 54 | 14.457 | 2100 | 2103 | 2106 | rBV3 | 388913  | 365809  | 6.46%  | 0.640% |
| 55 | 14.762 | 2153 | 2155 | 2158 | rBV  | 259789  | 238159  | 4.21%  | 0.417% |
| 56 | 14.839 | 2165 | 2168 | 2173 | rVB2 | 358503  | 391463  | 6.92%  | 0.685% |
| 57 | 15.015 | 2194 | 2198 | 2207 | rVB  | 612229  | 1157760 | 20.45% | 2.026% |
| 58 | 15.098 | 2210 | 2212 | 2219 | rVB2 | 299520  | 488371  | 8.63%  | 0.855% |
| 59 | 15.310 | 2245 | 2248 | 2254 | rVB  | 439949  | 601359  | 10.62% | 1.052% |
| 60 | 15.374 | 2256 | 2259 | 2263 | rBV  | 485806  | 538643  | 9.52%  | 0.943% |
| 61 | 15.439 | 2266 | 2270 | 2273 | rBV  | 995223  | 1162510 | 20.54% | 2.035% |

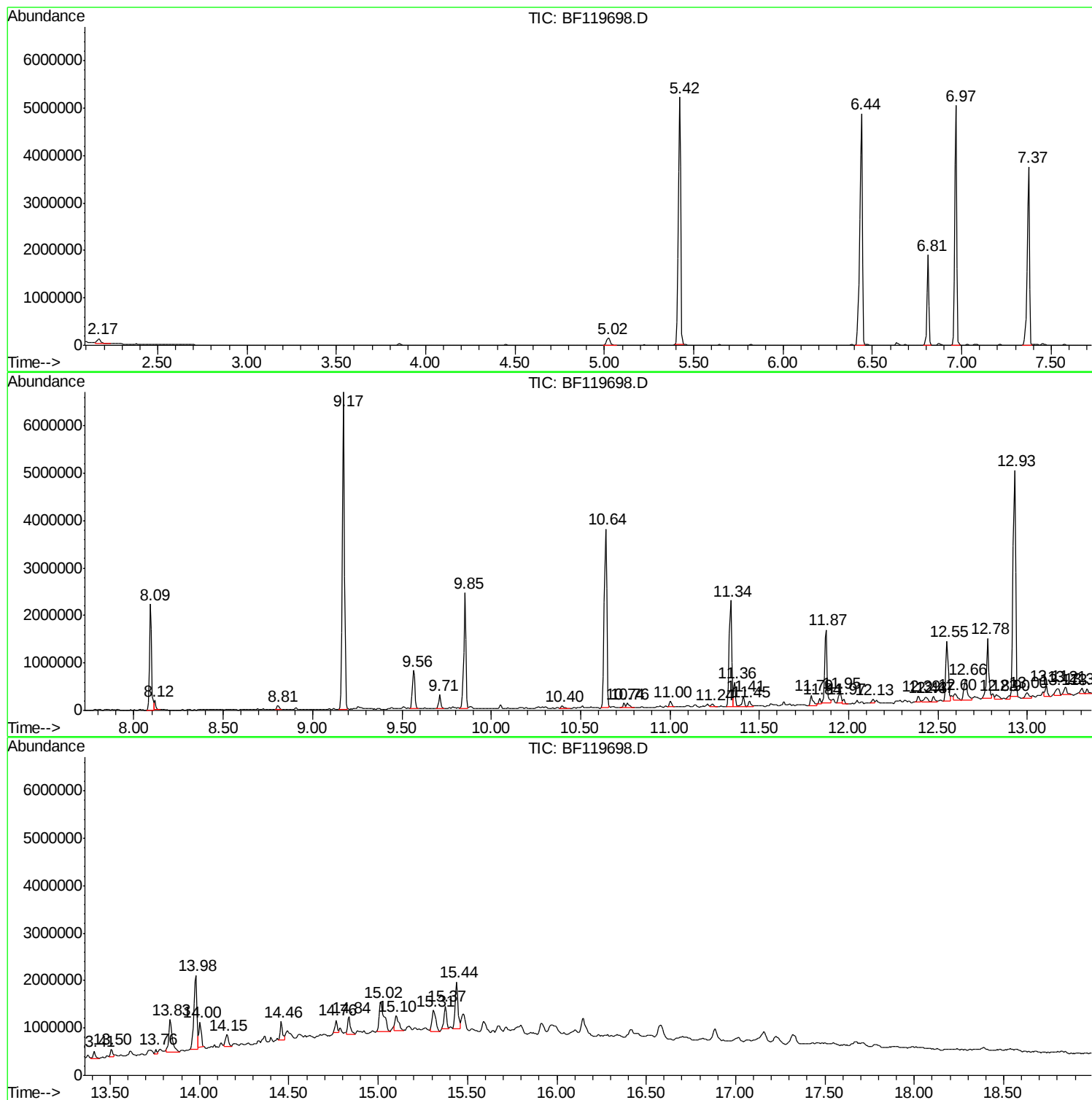
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Misc :  
ALS Vial : 48 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
SB-6-(1-3)

Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF031820.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P



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Sample : L2055-03  
Misc :  
ALS Vial : 48 Sample Multiplier: 1

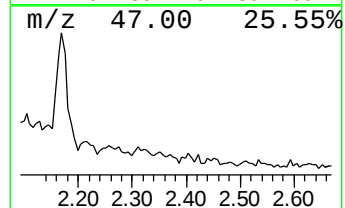
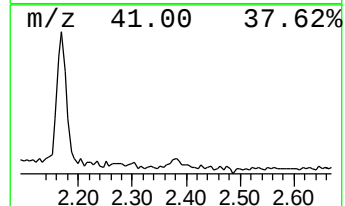
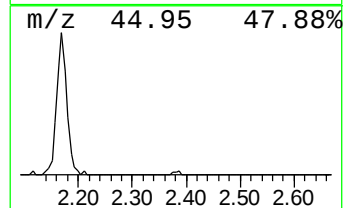
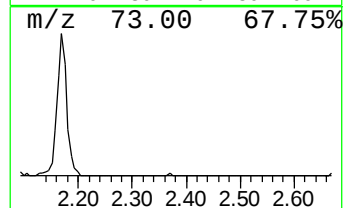
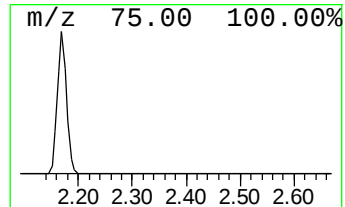
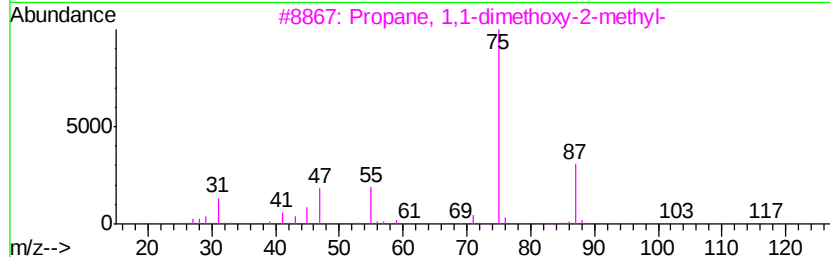
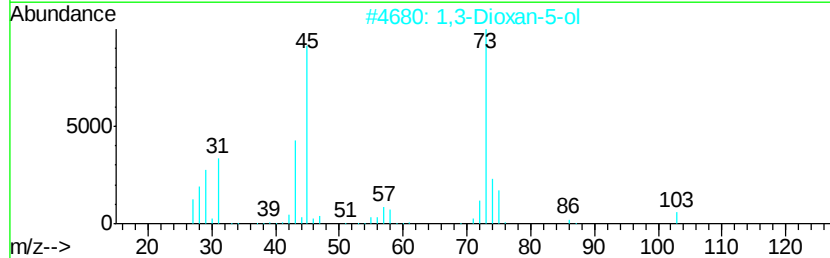
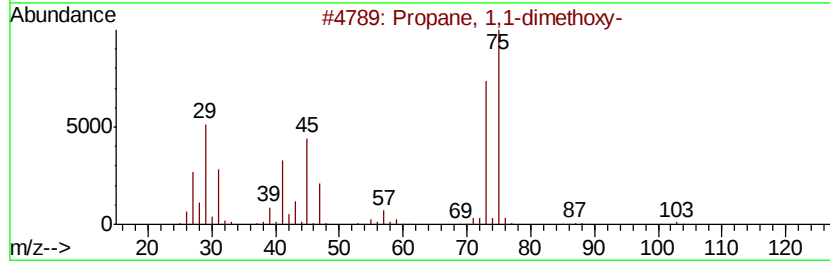
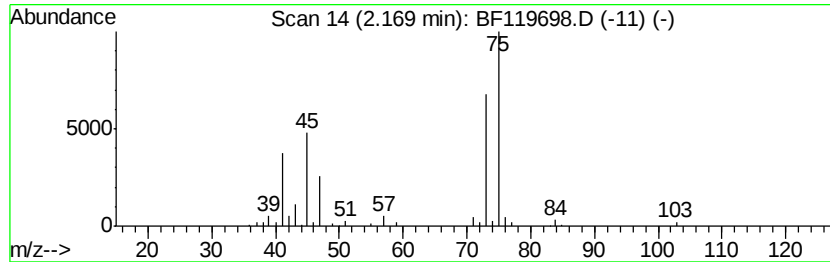
Instrument :  
BNA\_F  
ClientSampleId :  
SB-6-(1-3)

Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF031820.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 1 Propane, 1,1-dimethoxy- Concentration Rank 13

| R.T.    | EstConc                          | Area         | Relative to ISTD       | R.T.    |             |      |
|---------|----------------------------------|--------------|------------------------|---------|-------------|------|
| 2.17    | 2.31 ng                          | 168531       | 1,4-Dichlorobenzene-d4 | 6.81    |             |      |
| Hit# of | 5                                | Tentative ID | MW                     | MolForm | CAS#        | Qual |
| 1       | Propane, 1,1-dimethoxy-          |              | 104                    | C5H12O2 | 004744-10-9 | 74   |
| 2       | 1,3-Dioxan-5-ol                  |              | 104                    | C4H8O3  | 004740-78-7 | 9    |
| 3       | Propane, 1,1-dimethoxy-2-methyl- |              | 118                    | C6H14O2 | 041632-89-7 | 9    |
| 4       | Acetic acid, (aminooxy)-         |              | 91                     | C2H5NO3 | 000645-88-5 | 9    |
| 5       | 1,3-Dioxolane, 2-(2-propenyl)-   |              | 114                    | C6H10O2 | 038653-49-5 | 9    |



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Instrument :  
BNA\_F  
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SB-6-(1-3)

Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF031820.M  
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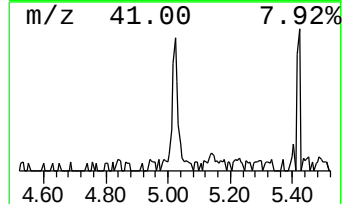
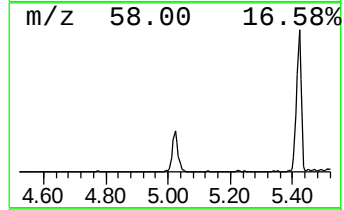
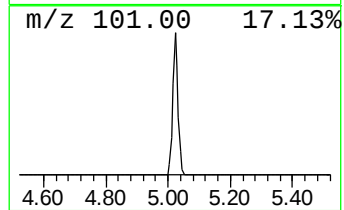
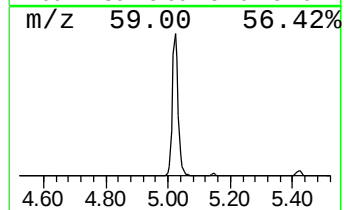
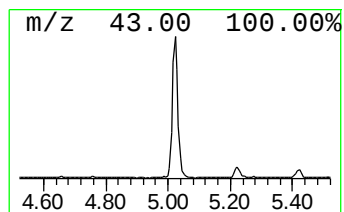
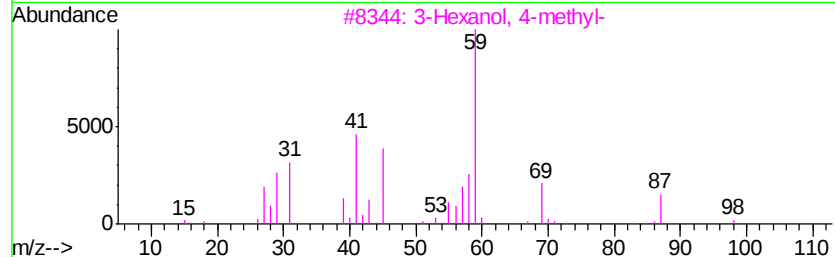
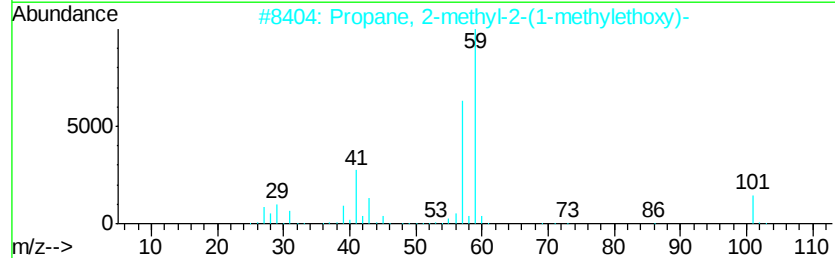
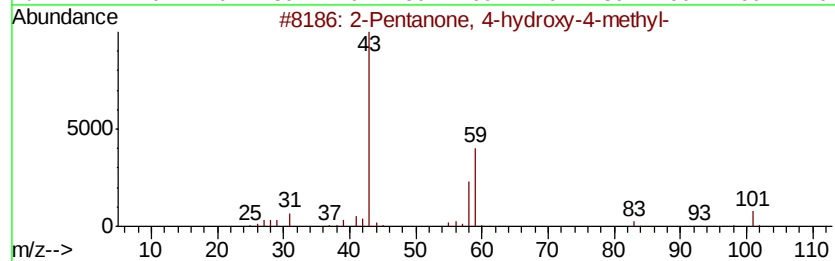
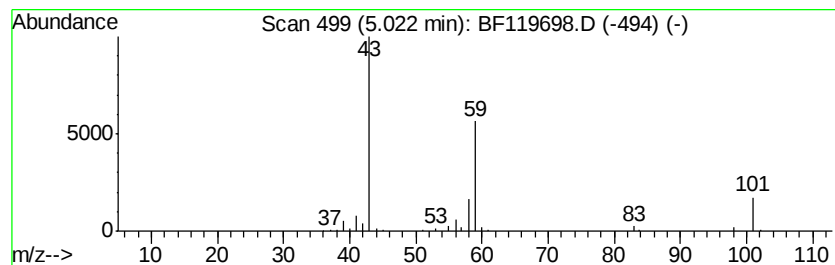
TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 2 2-Pentanone, 4-hydroxy-4-me... Concentration Rank 10

| R.T. | EstConc | Area   | Relative to ISTD       | R.T. |
|------|---------|--------|------------------------|------|
| 5.02 | 2.64 ng | 192427 | 1,4-Dichlorobenzene-d4 | 6.81 |

| Hit# | of | 5 | Tentative ID                        | MW  | MolForm  | CAS#        | Qual |
|------|----|---|-------------------------------------|-----|----------|-------------|------|
| 1    |    |   | 2-Pentanone, 4-hydroxy-4-methyl-    | 116 | C6H12O2  | 000123-42-2 | 56   |
| 2    |    |   | Propane, 2-methyl-2-(1-methyleth... | 116 | C7H16O   | 017348-59-3 | 36   |
| 3    |    |   | 3-Hexanol, 4-methyl-                | 116 | C7H16O   | 000615-29-2 | 33   |
| 4    |    |   | 2-Hexanol, 2-methyl-                | 116 | C7H16O   | 000625-23-0 | 28   |
| 5    |    |   | Acetic acid, cyano-, 1,1-dimethy... | 141 | C7H11NO2 | 001116-98-9 | 25   |



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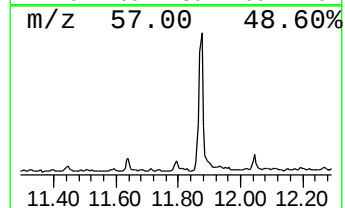
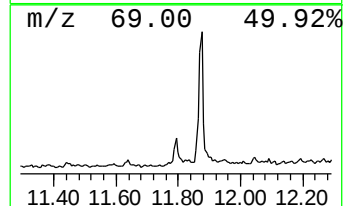
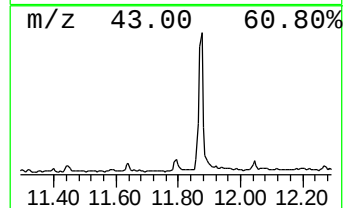
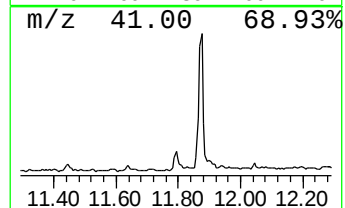
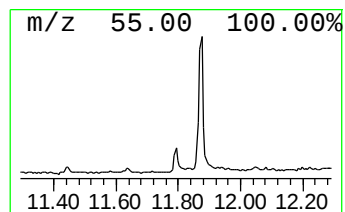
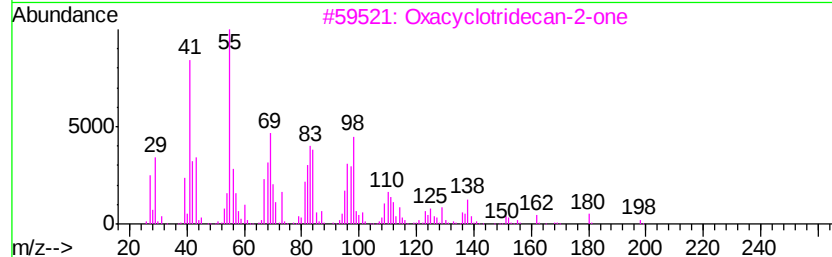
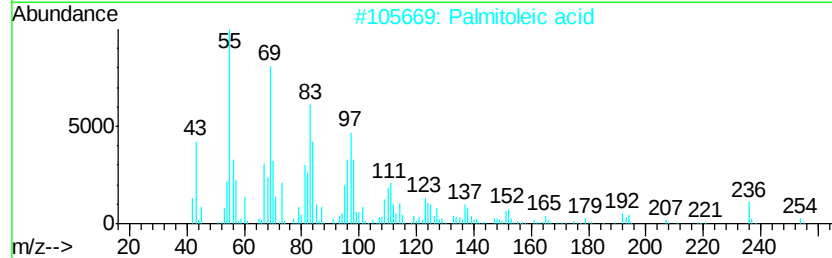
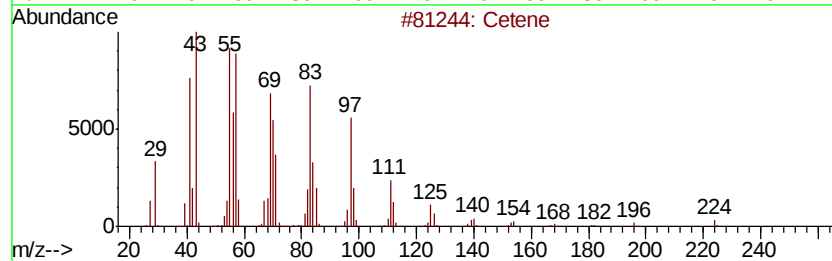
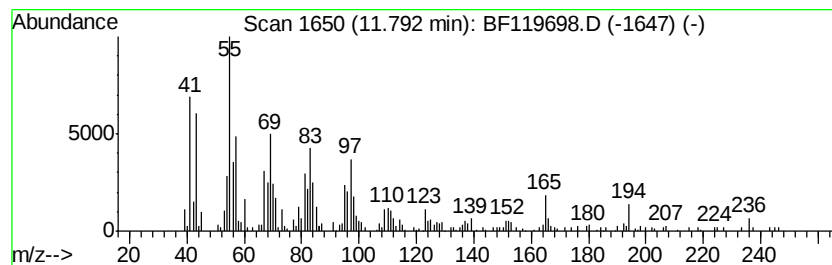
Instrument :  
BNA\_F  
ClientSampleId :  
SB-6-(1-3)

Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF031820.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

\*\*\*\*\*  
Peak Number 4 Cetene Concentration Rank 12

| R.T.      | EstConc                             | Area   | Relative to ISTD |              | R.T.  |
|-----------|-------------------------------------|--------|------------------|--------------|-------|
| 11.79     | 2.51 ng                             | 234779 | Phenanthrene-d10 |              | 11.34 |
| Hit# of 5 | Tentative ID                        | MW     | MolForm          | CAS#         | Qual  |
| 1         | Cetene                              | 224    | C16H32           | 000629-73-2  | 93    |
| 2         | Palmitoleic acid                    | 254    | C16H30O2         | 000373-49-9  | 74    |
| 3         | Oxacyclotridecan-2-one              | 198    | C12H22O2         | 000947-05-7  | 64    |
| 4         | cis-2-Methyl-4-n-pentylthiane, S... | 218    | C11H22OS         | 1000215-67-9 | 55    |
| 5         | 1,9-Tetradecadiene                  | 194    | C14H26           | 112929-06-3  | 52    |



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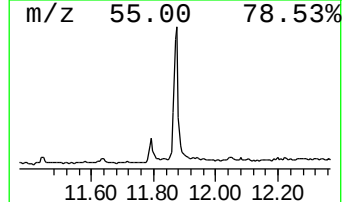
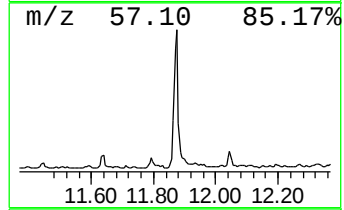
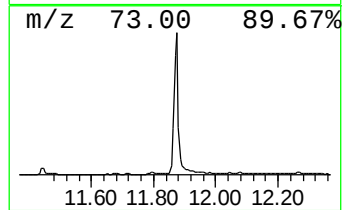
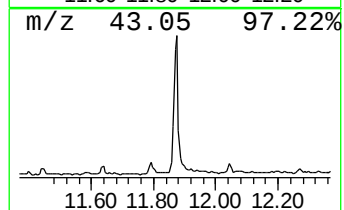
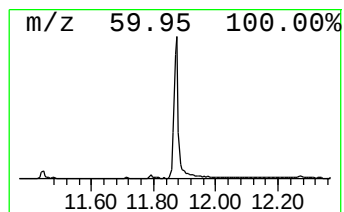
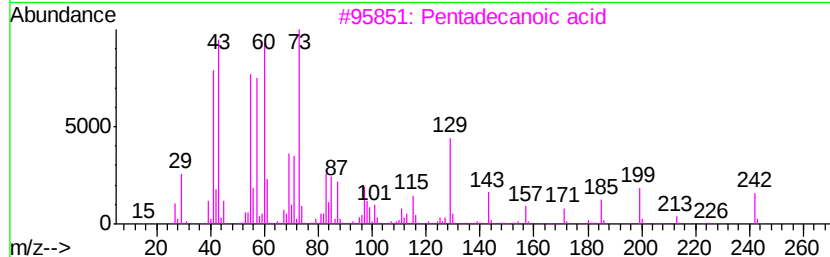
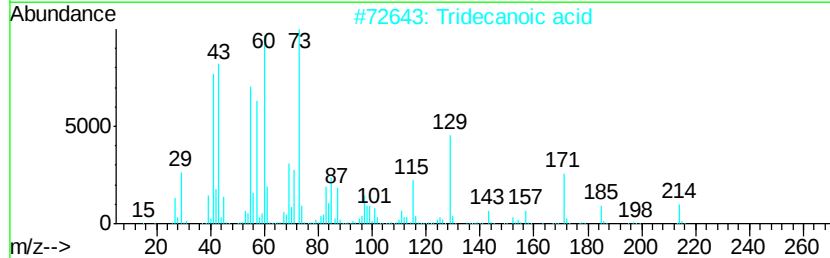
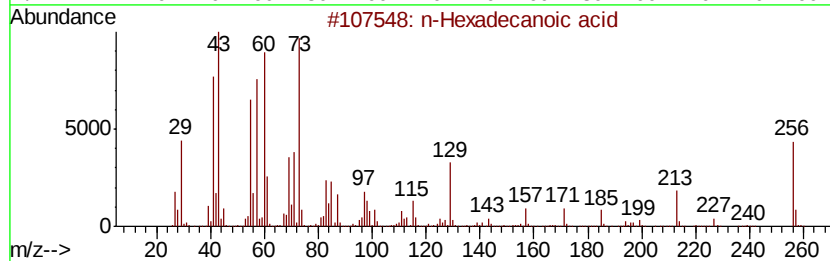
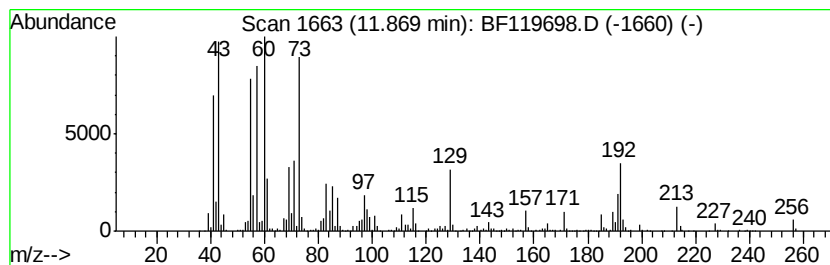
TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 5 n-Hexadecanoic acid Concentration Rank 2

| R.T.  | EstConc  | Area    | Relative to ISTD | R.T.  |
|-------|----------|---------|------------------|-------|
| 11.87 | 16.44 ng | 1534400 | Phenanthrene-d10 | 11.34 |

| Hit# of | 5 | Tentative ID        | MW  | MolForm  | CAS#        | Qual |
|---------|---|---------------------|-----|----------|-------------|------|
| 1       |   | n-Hexadecanoic acid | 256 | C16H32O2 | 000057-10-3 | 97   |
| 2       |   | Tridecanoic acid    | 214 | C13H26O2 | 000638-53-9 | 93   |
| 3       |   | Pentadecanoic acid  | 242 | C15H30O2 | 001002-84-2 | 81   |
| 4       |   | Tetradecanoic acid  | 228 | C14H28O2 | 000544-63-8 | 59   |
| 5       |   | Nonanoic acid       | 158 | C9H18O2  | 000112-05-0 | 46   |



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF040120\  
Data File : BF119698.D  
Acq On : 2 Apr 2020 5:46  
Operator : MA/SJ  
Sample : L2055-03  
Misc :  
ALS Vial : 48 Sample Multiplier: 1

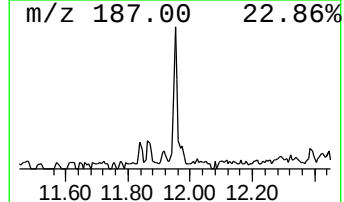
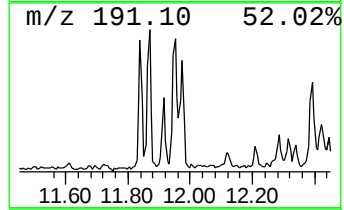
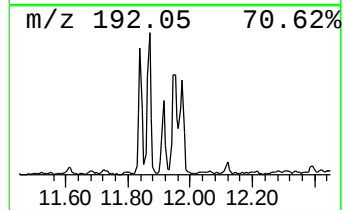
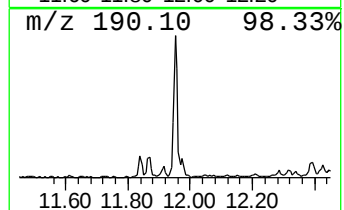
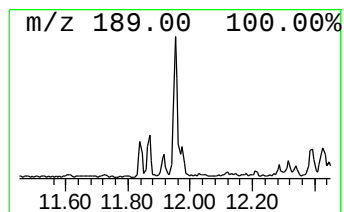
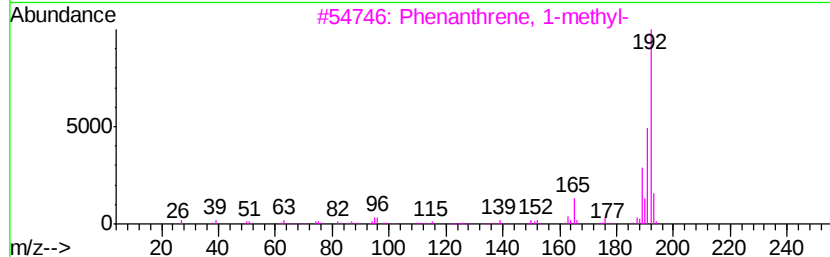
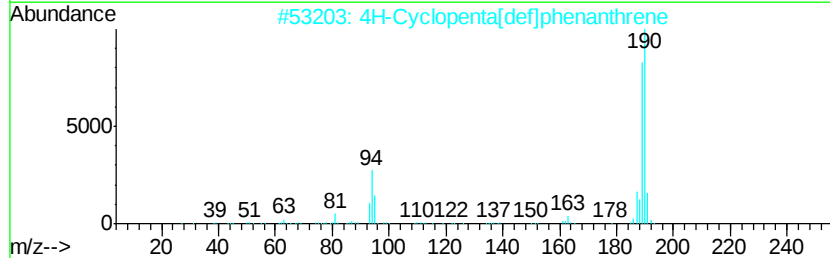
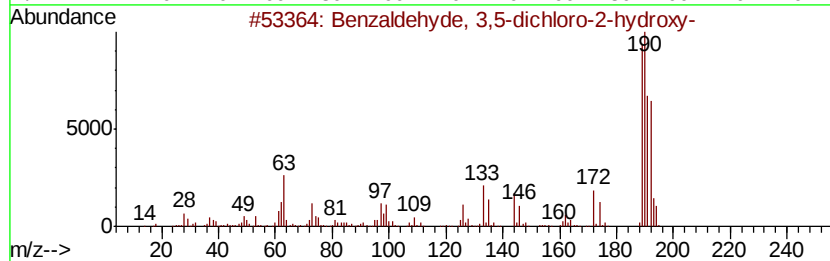
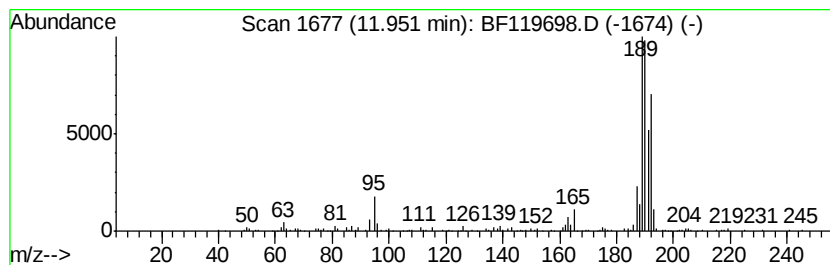
Instrument :  
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ClientSampleId :  
SB-6-(1-3)

Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF031820.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 6 Benzaldehyde, 3,5-dichloro-... Concentration Rank 14

| R.T.  | EstConc | Area   | Relative to ISTD                    |     | R.T.      |             |      |
|-------|---------|--------|-------------------------------------|-----|-----------|-------------|------|
| 11.95 | 2.16 ng | 201538 | Phenanthrene-d10                    |     | 11.34     |             |      |
| Hit#  | of      | 5      | Tentative ID                        | MW  | MolForm   | CAS#        | Qual |
| 1     |         |        | Benzaldehyde, 3,5-dichloro-2-hyd... | 190 | C7H4Cl2O2 | 000090-60-8 | 72   |
| 2     |         |        | 4H-Cyclopenta[def]phenanthrene      | 190 | C15H10    | 000203-64-5 | 70   |
| 3     |         |        | Phenanthrene, 1-methyl-             | 192 | C15H12    | 000832-69-9 | 38   |
| 4     |         |        | 1H-Indene, 2-phenyl-                | 192 | C15H12    | 004505-48-0 | 30   |
| 5     |         |        | 3-Bromo-2-furoic acid               | 190 | C5H3BrO3  | 014903-90-3 | 27   |



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF040120\  
Data File : BF119698.D  
Acq On : 2 Apr 2020 5:46  
Operator : MA/SJ  
Sample : L2055-03  
Misc :  
ALS Vial : 48 Sample Multiplier: 1

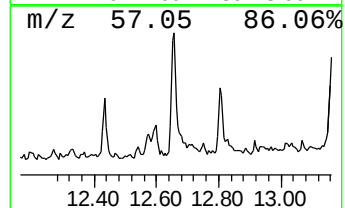
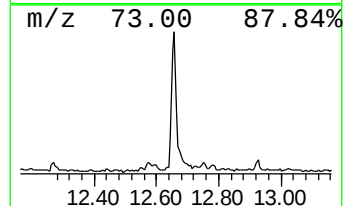
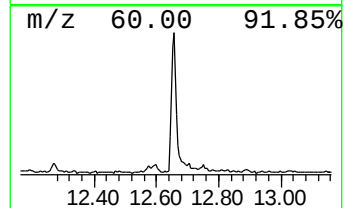
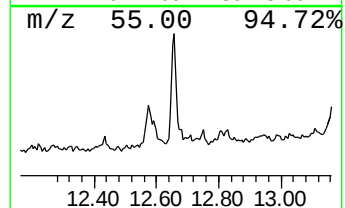
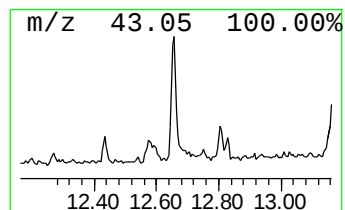
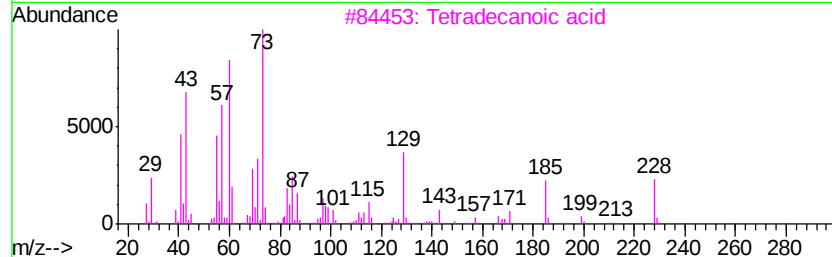
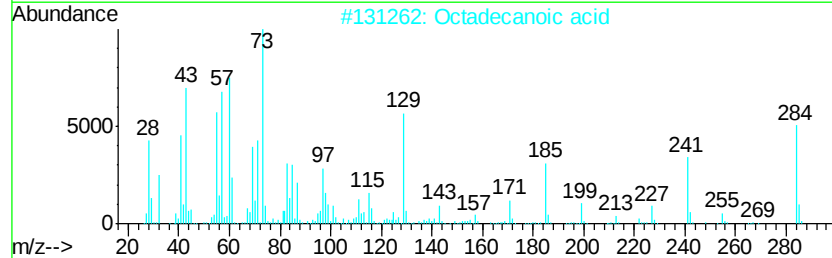
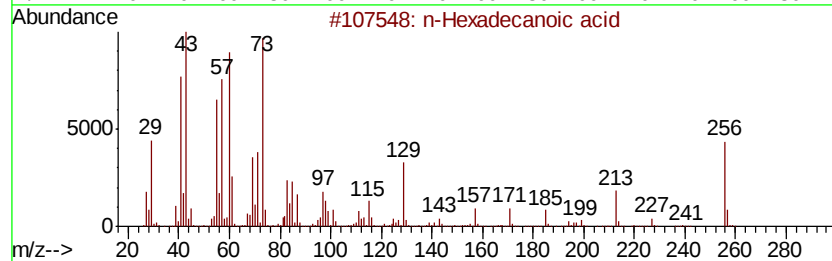
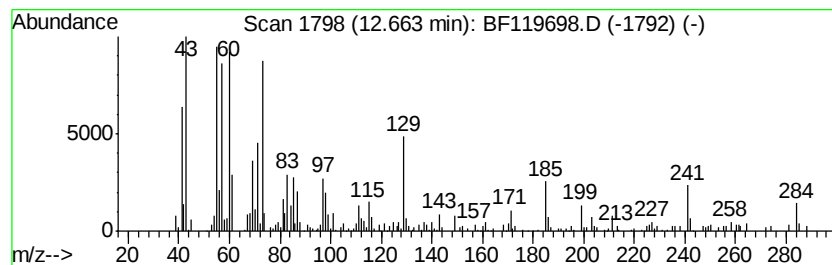
Instrument :  
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ClientSampleId :  
SB-6-(1-3)

Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF031820.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 7 Octadecanoic acid Concentration Rank 7

| R.T.      | EstConc                              | Area   | Relative to ISTD | R.T.        |      |
|-----------|--------------------------------------|--------|------------------|-------------|------|
| 12.66     | 6.38 ng                              | 595814 | Phenanthrene-d10 | 11.34       |      |
| Hit# of 5 | Tentative ID                         | MW     | MolForm          | CAS#        | Qual |
| 1         | n-Hexadecanoic acid                  | 256    | C16H32O2         | 000057-10-3 | 97   |
| 2         | Octadecanoic acid                    | 284    | C18H36O2         | 000057-11-4 | 96   |
| 3         | Tetradecanoic acid                   | 228    | C14H28O2         | 000544-63-8 | 83   |
| 4         | Octadecanoic acid, 2-(2-hydroxyve... | 372    | C22H44O4         | 000106-11-6 | 80   |
| 5         | n-Decanoic acid                      | 172    | C10H20O2         | 000334-48-5 | 58   |



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF040120\  
Data File : BF119698.D  
Acq On : 2 Apr 2020 5:46  
Operator : MA/SJ  
Sample : L2055-03  
Misc :  
ALS Vial : 48 Sample Multiplier: 1

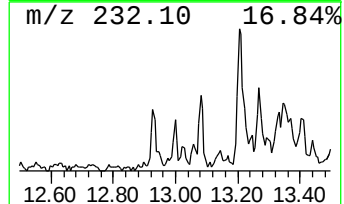
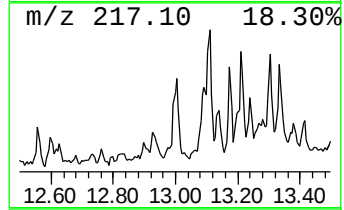
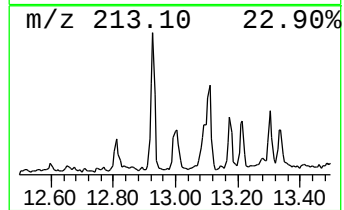
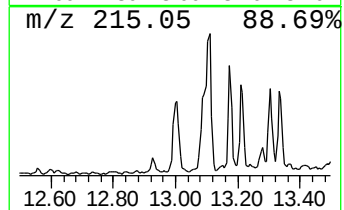
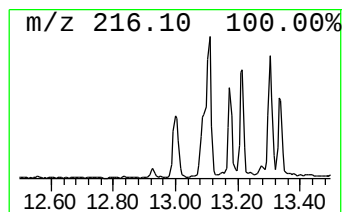
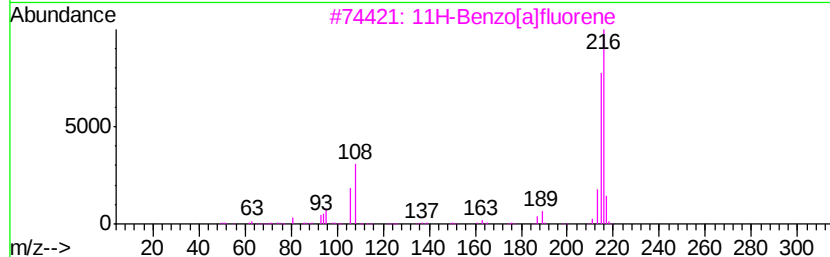
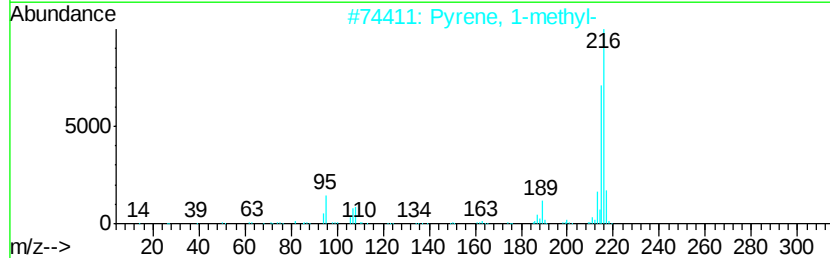
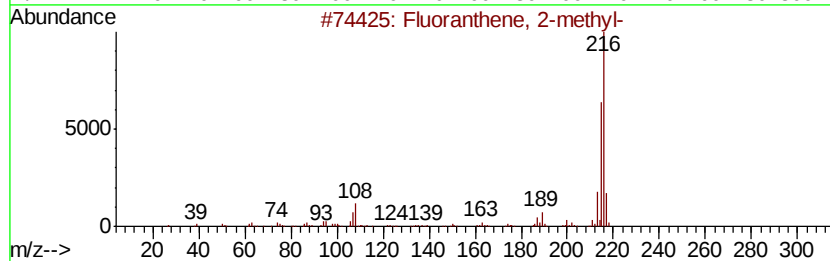
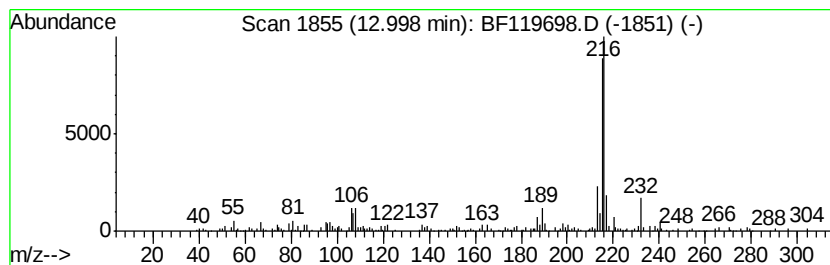
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ClientSampleId :  
SB-6-(1-3)

Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF031820.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 8 Fluoranthene, 2-methyl- Concentration Rank 16

| R.T.      | EstConc                 | Area   | Relative to ISTD | R.T.        |      |
|-----------|-------------------------|--------|------------------|-------------|------|
| 13.00     | 2.01 ng                 | 197964 | Chrysene-d12     | 13.98       |      |
| Hit# of 5 | Tentative ID            | MW     | MolForm          | CAS#        | Qual |
| 1         | Fluoranthene, 2-methyl- | 216    | C17H12           | 033543-31-6 | 95   |
| 2         | Pyrene, 1-methyl-       | 216    | C17H12           | 002381-21-7 | 93   |
| 3         | 11H-Benzo[a]fluorene    | 216    | C17H12           | 000238-84-6 | 80   |
| 4         | 11H-Benzo[b]fluorene    | 216    | C17H12           | 000243-17-4 | 76   |
| 5         | Pyrene, 2-methyl-       | 216    | C17H12           | 003442-78-2 | 64   |



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF040120\  
Data File : BF119698.D  
Acq On : 2 Apr 2020 5:46  
Operator : MA/SJ  
Sample : L2055-03  
Misc :  
ALS Vial : 48 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
SB-6-(1-3)

Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF031820.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

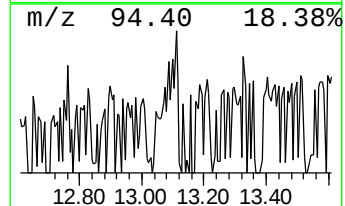
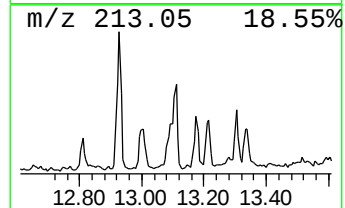
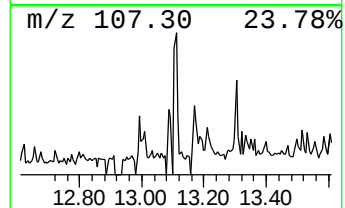
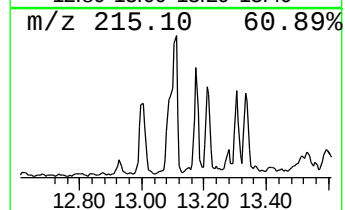
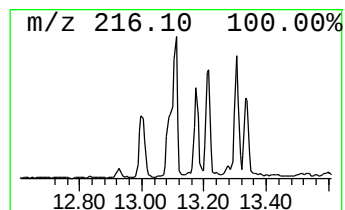
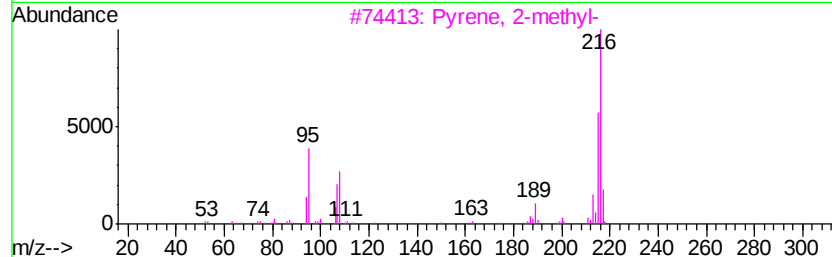
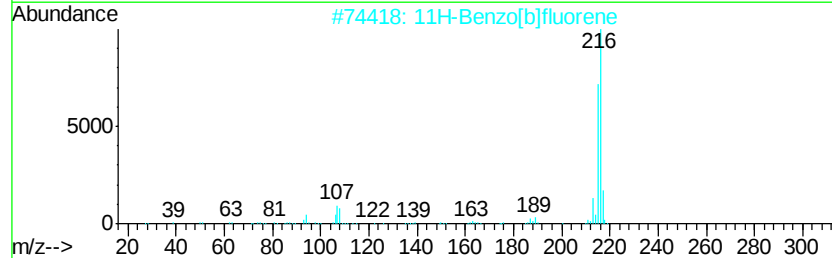
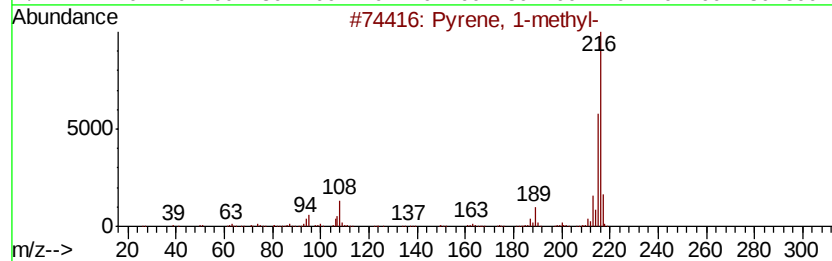
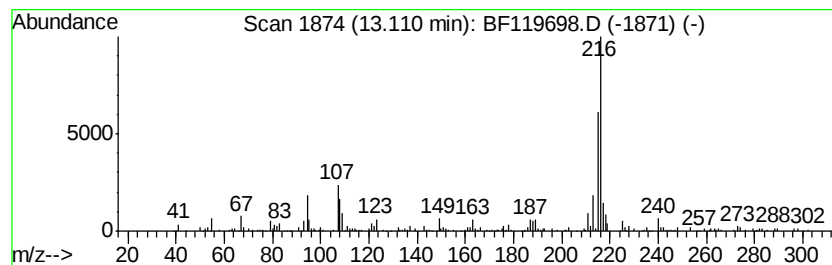
TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 9 Pyrene, 1-methyl- Concentration Rank 15

| R.T.  | EstConc | Area   | Relative to ISTD | R.T.  |
|-------|---------|--------|------------------|-------|
| 13.11 | 2.05 ng | 201798 | Chrysene-d12     | 13.98 |

| Hit# | of | Tentative ID            | MW  | MolForm | CAS#        | Qual |
|------|----|-------------------------|-----|---------|-------------|------|
| 1    | 5  | Pyrene, 1-methyl-       | 216 | C17H12  | 002381-21-7 | 87   |
| 2    |    | 11H-Benzo[b]fluorene    | 216 | C17H12  | 000243-17-4 | 86   |
| 3    |    | Pyrene, 2-methyl-       | 216 | C17H12  | 003442-78-2 | 86   |
| 4    |    | 7H-Benzo[c]fluorene     | 216 | C17H12  | 000205-12-9 | 72   |
| 5    |    | Fluoranthene, 2-methyl- | 216 | C17H12  | 033543-31-6 | 64   |



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF040120\  
Data File : BF119698.D  
Acq On : 2 Apr 2020 5:46  
Operator : MA/SJ  
Sample : L2055-03  
Misc :  
ALS Vial : 48 Sample Multiplier: 1

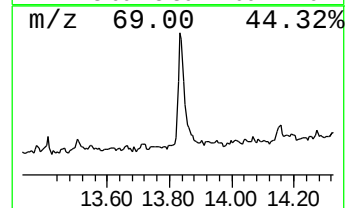
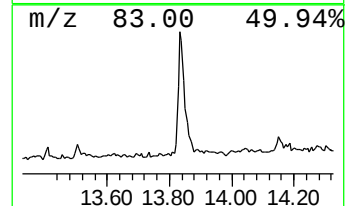
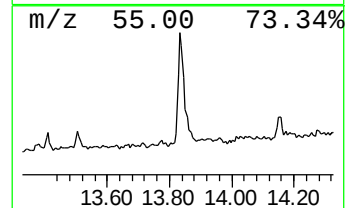
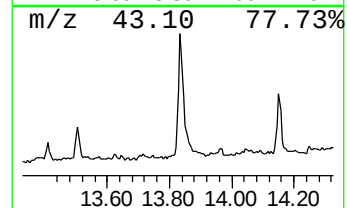
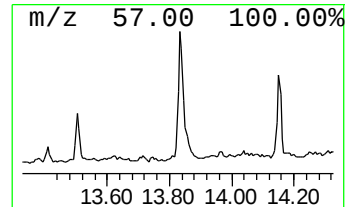
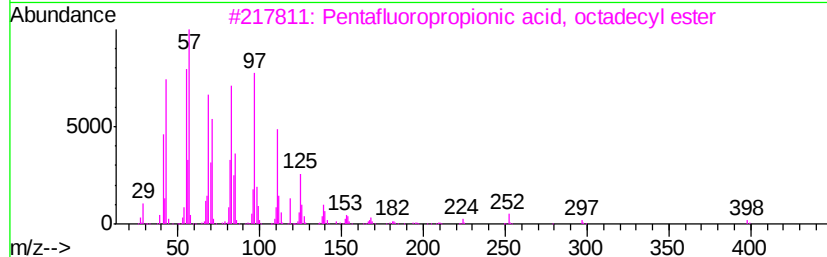
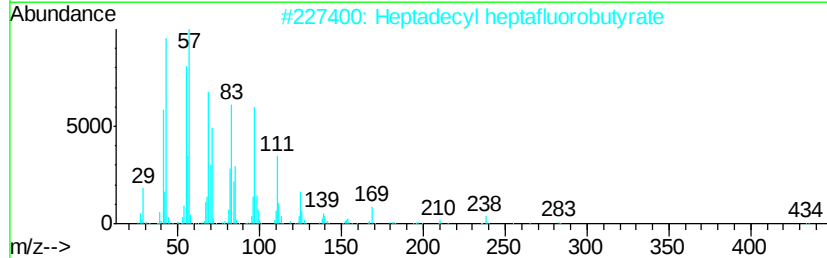
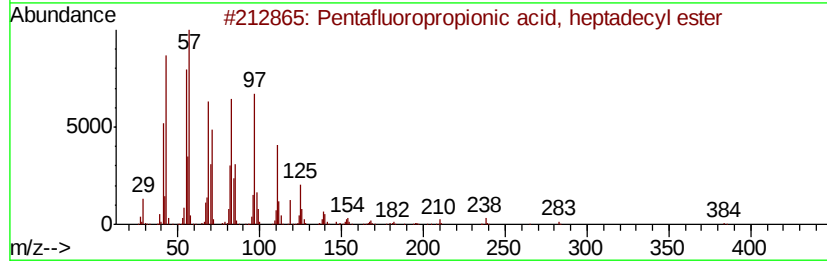
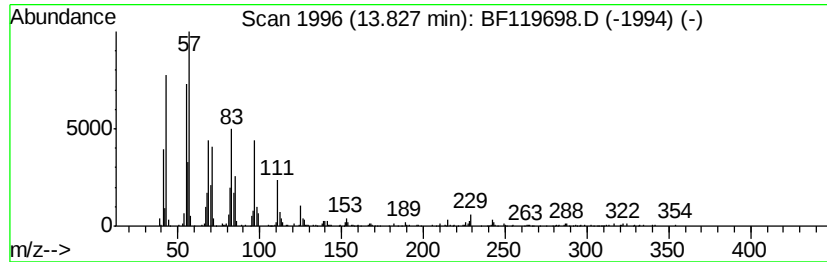
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ClientSampleId :  
SB-6-(1-3)

Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF031820.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 10 Pentafluoropropionic acid, ... Concentration Rank 4

| R.T.    | EstConc | Area                                | Relative to ISTD |             | R.T.         |      |
|---------|---------|-------------------------------------|------------------|-------------|--------------|------|
| 13.83   | 9.76 ng | 962329                              | Chrysene-d12     |             | 13.98        |      |
| Hit# of | 5       | Tentative ID                        | MW               | MolForm     | CAS#         | Qual |
| 1       |         | Pentafluoropropionic acid, hepta... | 402              | C20H35F5O2  | 959218-78-1  | 91   |
| 2       |         | Heptadecyl heptafluorobutyrate      | 452              | C21H35F7O2  | 959085-66-6  | 91   |
| 3       |         | Pentafluoropropionic acid, octad... | 416              | C21H37F5O2  | 959261-25-7  | 91   |
| 4       |         | Eicosyl heptafluorobutyrate         | 494              | C24H41F7O2  | 1000351-83-5 | 91   |
| 5       |         | 1-Hexadecanesulfonyl chloride       | 324              | C16H33ClO2S | 038775-38-1  | 91   |



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF040120\  
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 Operator : MA/SJ  
 Sample : L2055-03  
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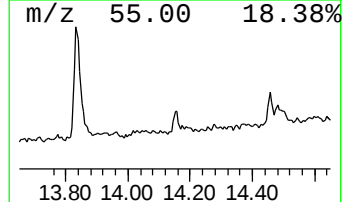
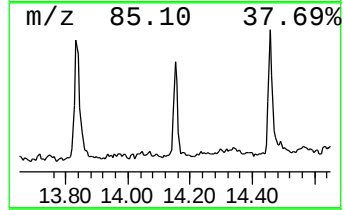
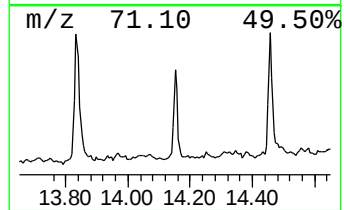
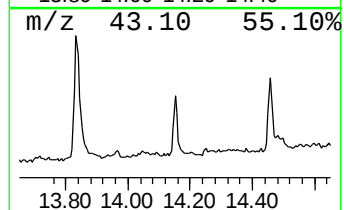
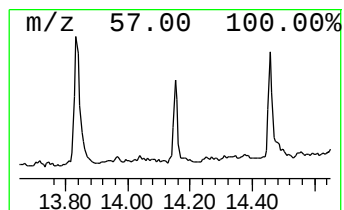
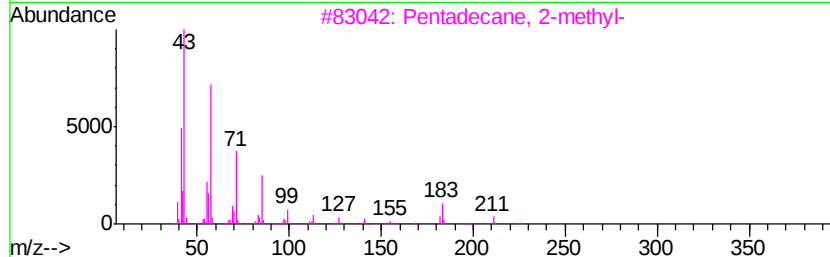
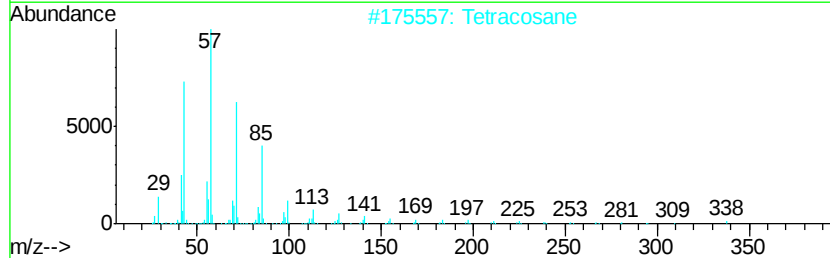
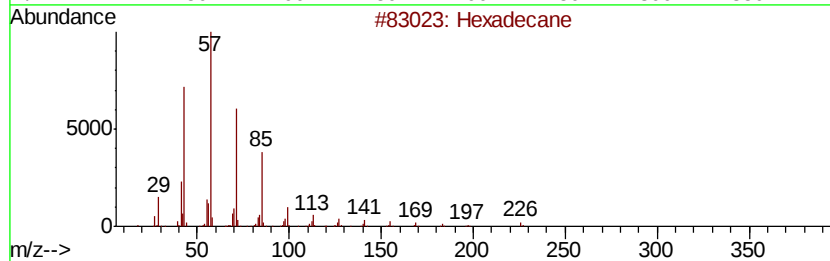
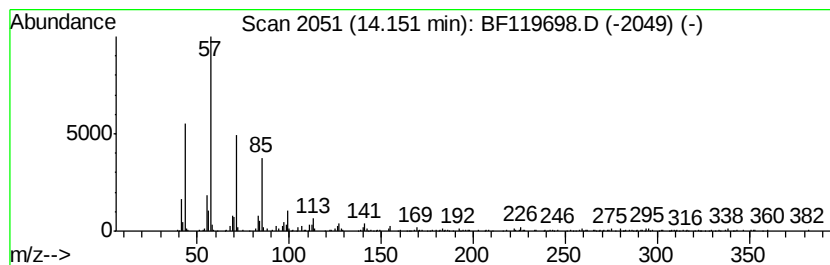
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 BNA\_F  
 ClientSampleId :  
 SB-6-(1-3)

Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF031820.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST11.L  
 TIC Integration Parameters: LSCINT.P

\*\*\*\*\*  
 Peak Number 11 Hexadecane Concentration Rank 11

| R.T.      | EstConc                | Area   | Relative to ISTD | R.T.        |      |
|-----------|------------------------|--------|------------------|-------------|------|
| 14.15     | 2.62 ng                | 258650 | Chrysene-d12     | 13.98       |      |
| Hit# of 5 | Tentative ID           | MW     | MolForm          | CAS#        | Qual |
| 1         | Hexadecane             | 226    | C16H34           | 000544-76-3 | 95   |
| 2         | Tetracosane            | 338    | C24H50           | 000646-31-1 | 89   |
| 3         | Pentadecane, 2-methyl- | 226    | C16H34           | 001560-93-6 | 87   |
| 4         | Nonadecane             | 268    | C19H40           | 000629-92-5 | 87   |
| 5         | Heptacosane            | 380    | C27H56           | 000593-49-7 | 87   |



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF040120\  
Data File : BF119698.D  
Acq On : 2 Apr 2020 5:46  
Operator : MA/SJ  
Sample : L2055-03  
Misc :  
ALS Vial : 48 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
SB-6-(1-3)

Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF031820.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

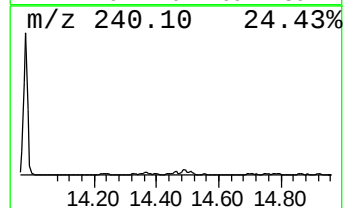
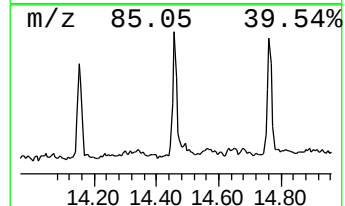
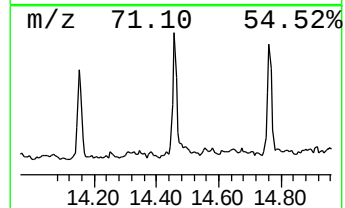
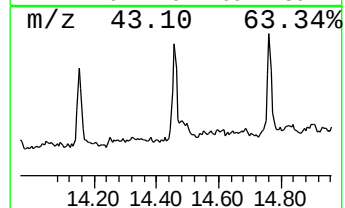
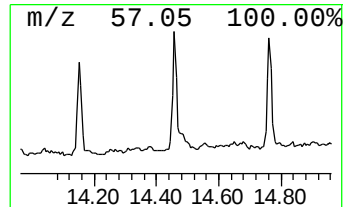
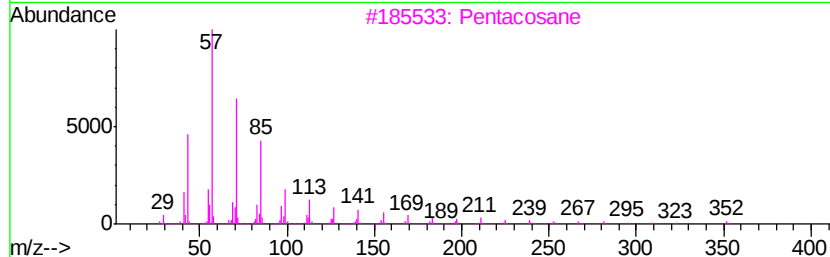
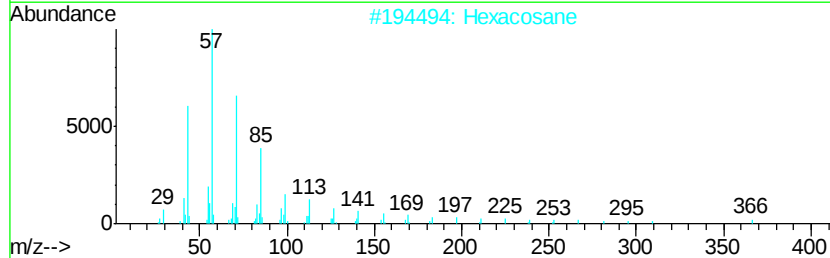
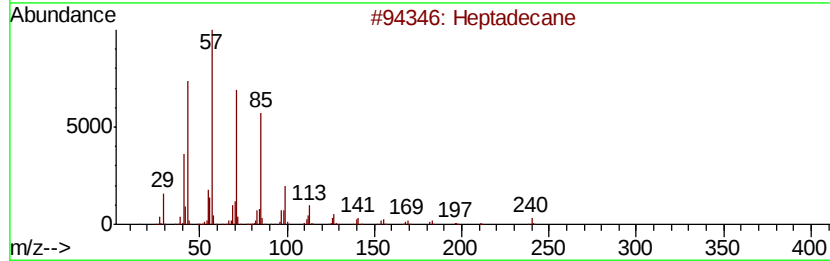
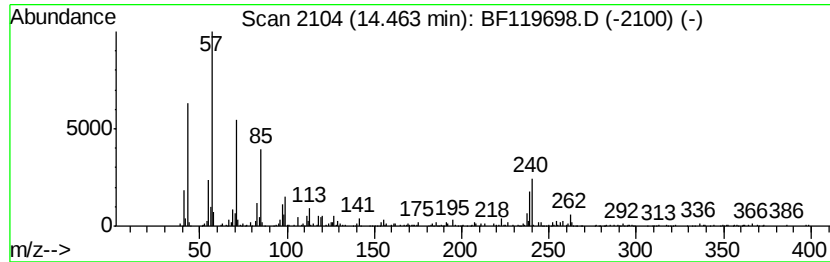
TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 12 Heptadecane Concentration Rank 9

| R.T.  | EstConc | Area   | Relative to ISTD | R.T.  |
|-------|---------|--------|------------------|-------|
| 14.46 | 3.71 ng | 365809 | Chrysene-d12     | 13.98 |

| Hit# of | 5           | Tentative ID | MW  | MolForm | CAS#        | Qual |
|---------|-------------|--------------|-----|---------|-------------|------|
| 1       | Heptadecane |              | 240 | C17H36  | 000629-78-7 | 96   |
| 2       | Hexacosane  |              | 366 | C26H54  | 000630-01-3 | 95   |
| 3       | Pentacosane |              | 352 | C25H52  | 000629-99-2 | 91   |
| 4       | Octadecane  |              | 254 | C18H38  | 000593-45-3 | 87   |
| 5       | Heptacosane |              | 380 | C27H56  | 000593-49-7 | 76   |



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF040120\  
Data File : BF119698.D  
Acq On : 2 Apr 2020 5:46  
Operator : MA/SJ  
Sample : L2055-03  
Misc :  
ALS Vial : 48 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
SB-6-(1-3)

Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF031820.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

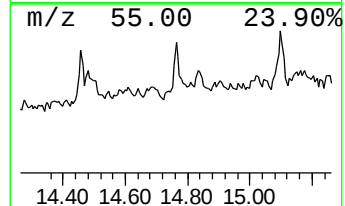
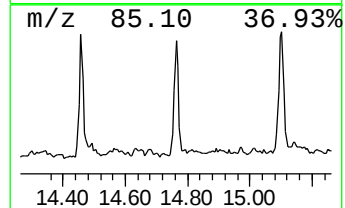
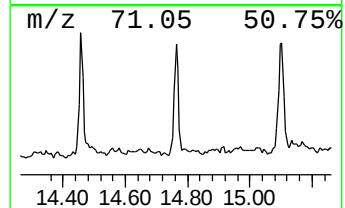
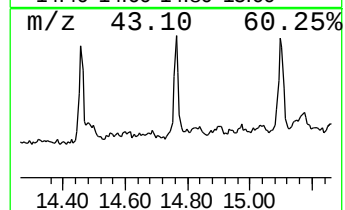
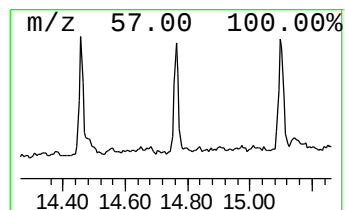
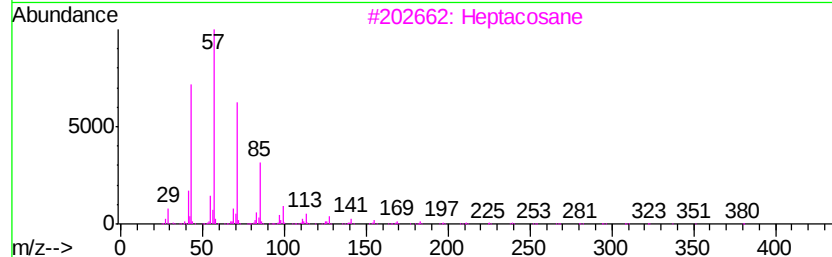
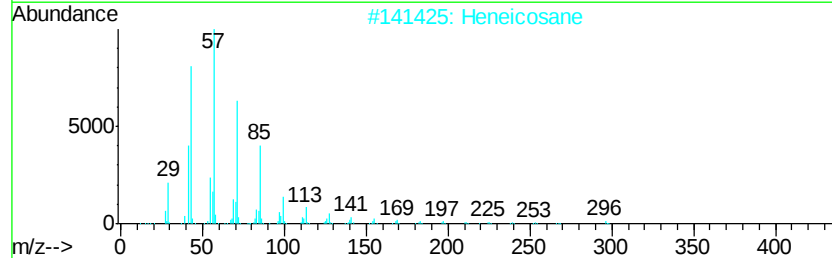
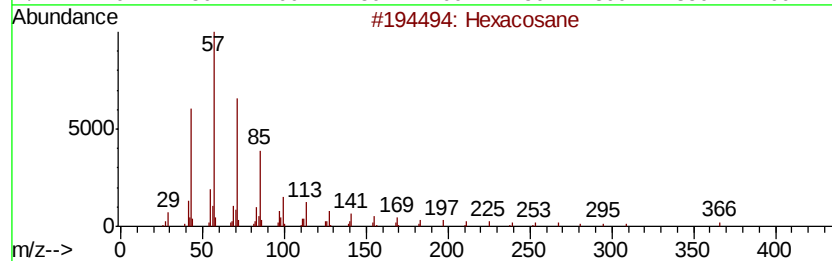
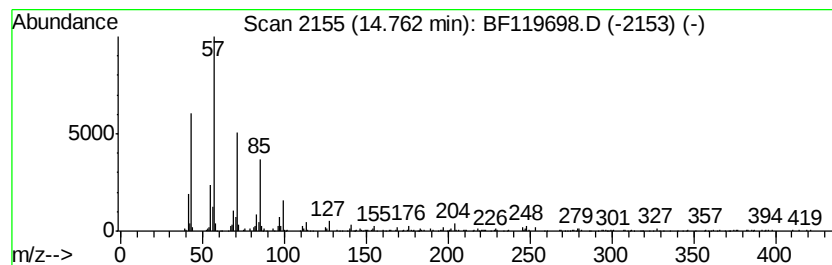
TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 13 Hexacosane Concentration Rank 8

| R.T.  | EstConc | Area   | Relative to ISTD | R.T.  |
|-------|---------|--------|------------------|-------|
| 14.76 | 4.10 ng | 238159 | Perylene-d12     | 15.44 |

| Hit# | of | Tentative ID   | MW  | MolForm | CAS#        | Qual |
|------|----|----------------|-----|---------|-------------|------|
| 1    | 5  | Hexacosane     | 366 | C26H54  | 000630-01-3 | 91   |
| 2    |    | Heneicosane    | 296 | C21H44  | 000629-94-7 | 87   |
| 3    |    | Heptacosane    | 380 | C27H56  | 000593-49-7 | 81   |
| 4    |    | Octacosane     | 394 | C28H58  | 000630-02-4 | 81   |
| 5    |    | Hentriacontane | 437 | C31H64  | 000630-04-6 | 80   |



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF040120\  
Data File : BF119698.D  
Acq On : 2 Apr 2020 5:46  
Operator : MA/SJ  
Sample : L2055-03  
Misc :  
ALS Vial : 48 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
SB-6-(1-3)

Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF031820.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

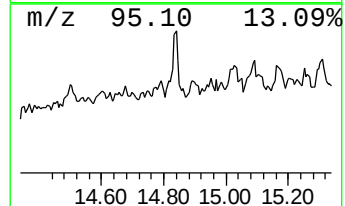
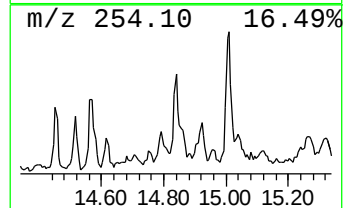
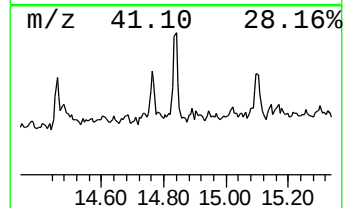
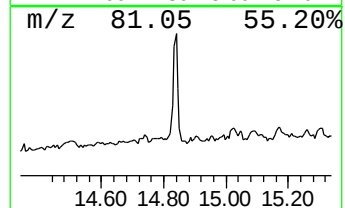
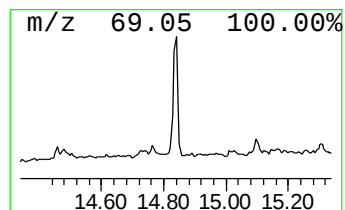
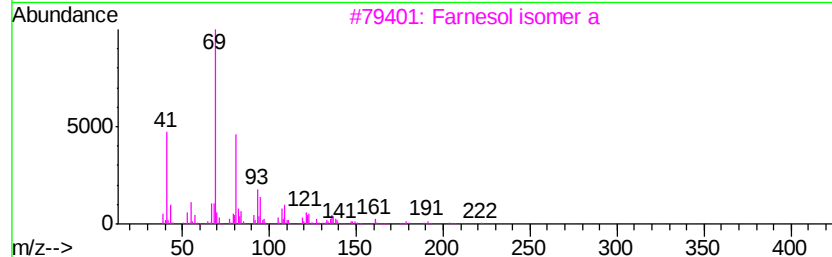
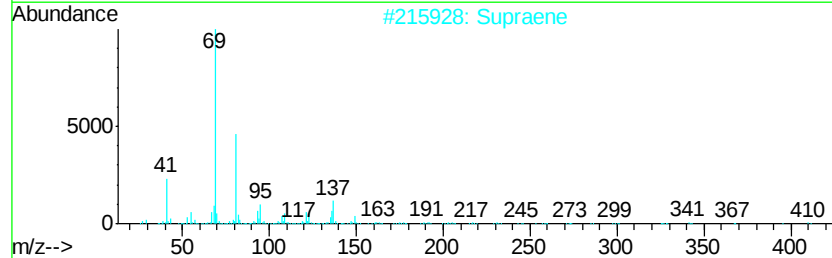
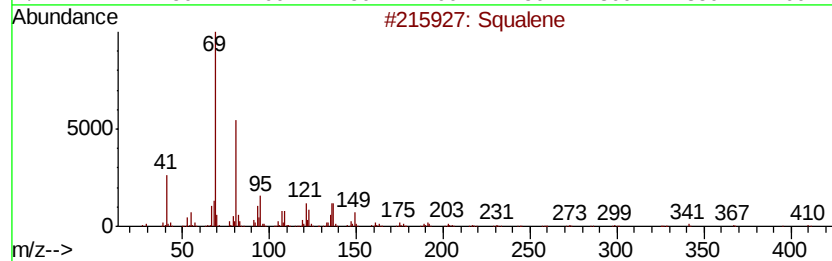
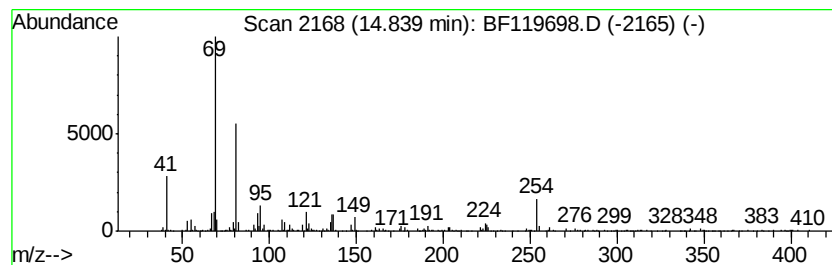
TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 14 Squalene Concentration Rank 6

| R.T.  | EstConc | Area   | Relative to ISTD | R.T.  |
|-------|---------|--------|------------------|-------|
| 14.84 | 6.73 ng | 391463 | Perylene-d12     | 15.44 |

| Hit# | of | Tentative ID                        | MW  | MolForm | CAS#         | Qual |
|------|----|-------------------------------------|-----|---------|--------------|------|
| 1    | 5  | Squalene                            | 410 | C30H50  | 000111-02-4  | 90   |
| 2    |    | Supraene                            | 410 | C30H50  | 007683-64-9  | 81   |
| 3    |    | Farnesol isomer a                   | 222 | C15H26O | 1000108-92-4 | 59   |
| 4    |    | 1,6-Octadiene, 3,5-dimethyl-, tr... | 138 | C10H18  | 074630-87-8  | 53   |
| 5    |    | 4-Methyl-1,5-Heptadiene             | 110 | C8H14   | 000998-94-7  | 53   |



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF040120\  
 Data File : BF119698.D  
 Acq On : 2 Apr 2020 5:46  
 Operator : MA/SJ  
 Sample : L2055-03  
 Misc :  
 ALS Vial : 48 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 SB-6-(1-3)

Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF031820.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

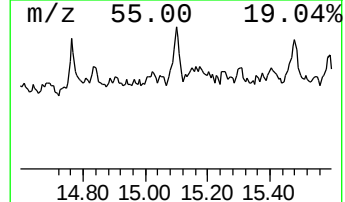
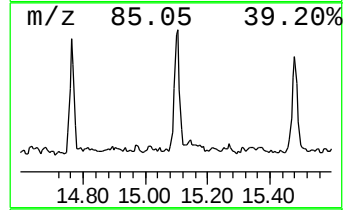
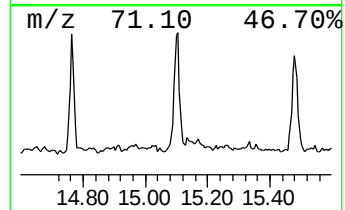
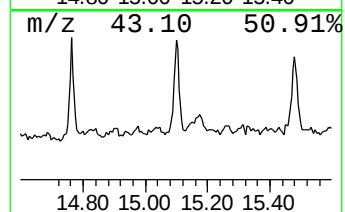
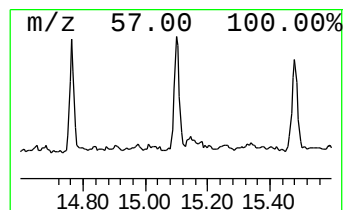
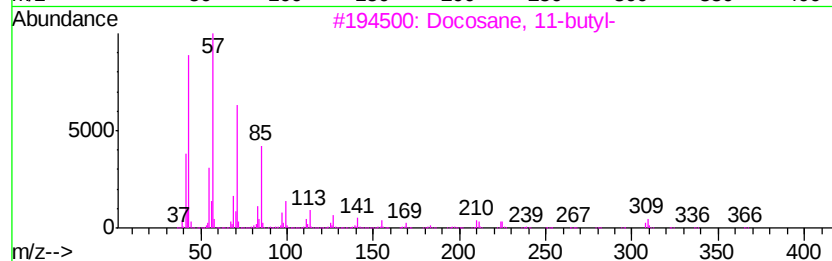
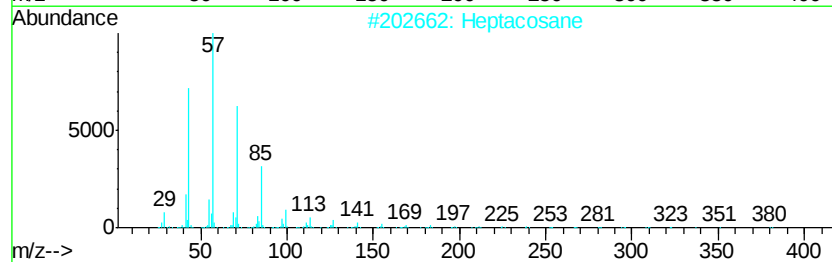
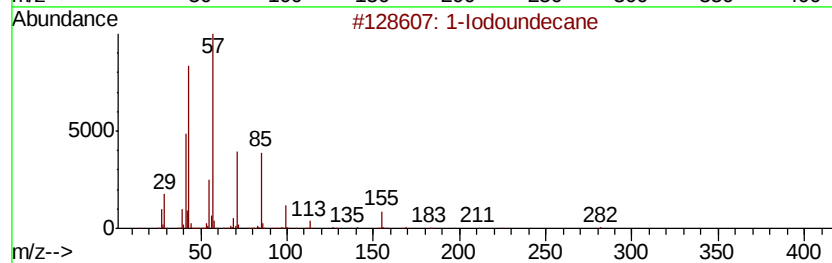
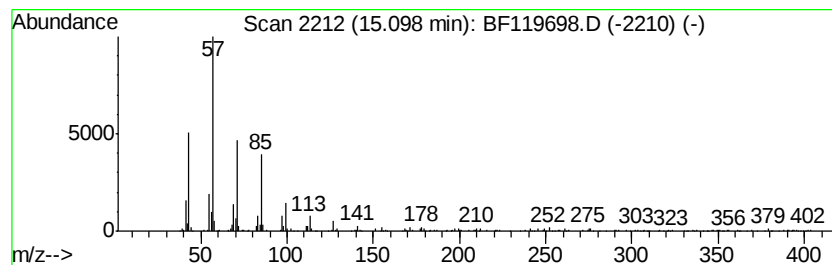
TIC Library : C:\DATABASE\NIST11.L  
 TIC Integration Parameters: LSCINT.P

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 Peak Number 15 1-Iodoundecane Concentration Rank 5

| R.T.  | EstConc | Area   | Relative to ISTD | R.T.  |
|-------|---------|--------|------------------|-------|
| 15.10 | 8.40 ng | 488371 | Perylene-d12     | 15.44 |

| Hit# of | 5 | Tentative ID        | MW  | MolForm | CAS#        | Qual |
|---------|---|---------------------|-----|---------|-------------|------|
| 1       |   | 1-Iodoundecane      | 282 | C11H23I | 004282-44-4 | 72   |
| 2       |   | Heptacosane         | 380 | C27H56  | 000593-49-7 | 70   |
| 3       |   | Docosane, 11-butyl- | 366 | C26H54  | 013475-76-8 | 60   |
| 4       |   | Octacosane          | 394 | C28H58  | 000630-02-4 | 53   |
| 5       |   | Hexacosane          | 366 | C26H54  | 000630-01-3 | 53   |



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF040120\  
Data File : BF119698.D  
Acq On : 2 Apr 2020 5:46  
Operator : MA/SJ  
Sample : L2055-03  
Misc :  
ALS Vial : 48 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
SB-6-(1-3)

Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF031820.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

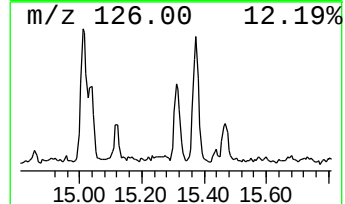
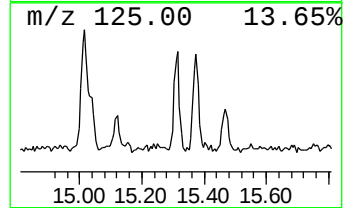
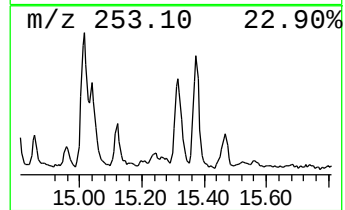
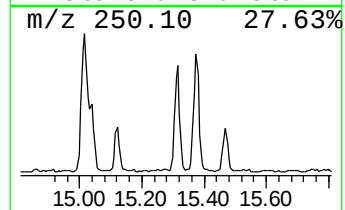
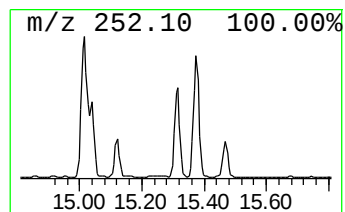
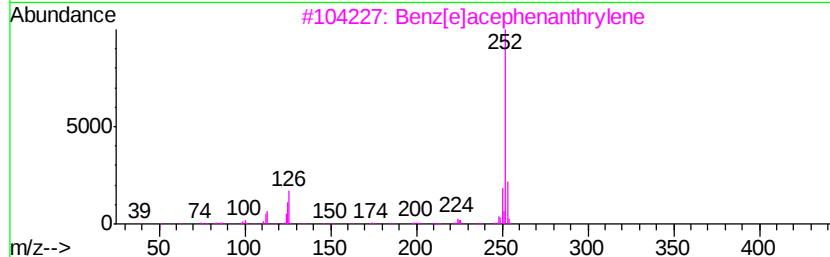
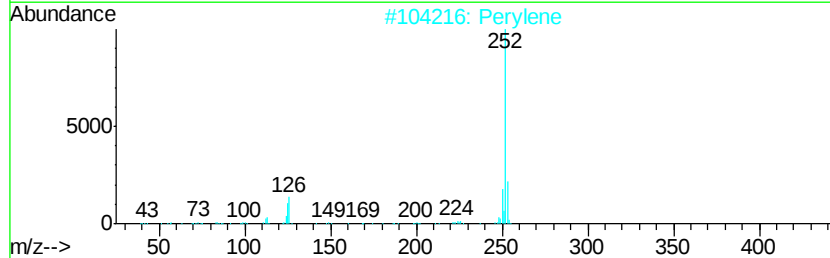
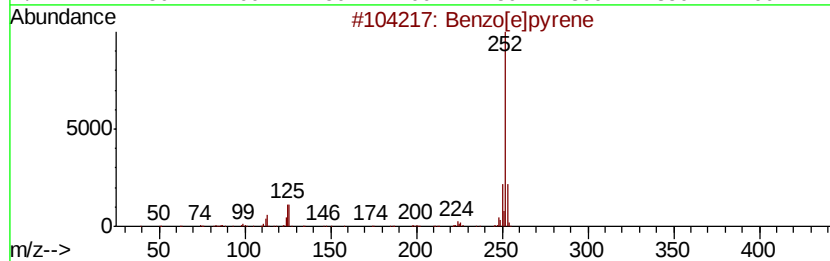
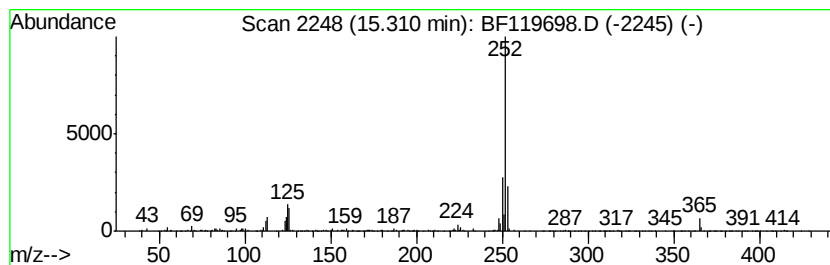
TIC Library : C:\DATABASE\NIST11.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 16 Benzo[e]pyrene Concentration Rank 3

| R.T.  | EstConc  | Area   | Relative to ISTD | R.T.  |
|-------|----------|--------|------------------|-------|
| 15.31 | 10.35 ng | 601359 | Perylene-d12     | 15.44 |

| Hit# | of | Tentative ID              | MW  | MolForm | CAS#        | Qual |
|------|----|---------------------------|-----|---------|-------------|------|
| 1    | 5  | Benzo[e]pyrene            | 252 | C20H12  | 000192-97-2 | 98   |
| 2    |    | Perylene                  | 252 | C20H12  | 000198-55-0 | 94   |
| 3    |    | Benzo[e]acephenanthrylene | 252 | C20H12  | 000205-99-2 | 93   |
| 4    |    | Benzo[a]pyrene            | 252 | C20H12  | 000050-32-8 | 93   |
| 5    |    | Benzo[k]fluoranthene      | 252 | C20H12  | 000207-08-9 | 89   |



Data Path : Z:\SVOASRV\HPCHEM1\BNA\_F\DATA\BF040120\  
 Data File : BF119698.D  
 Acq On : 2 Apr 2020 5:46  
 Operator : MA/SJ  
 Sample : L2055-03  
 Misc :  
 ALS Vial : 48 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 SB-6-(1-3)

Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_F\METHODS\8270-BF031820.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST11.L  
 TIC Integration Parameters: LSCINT.P

| TIC Top Hit name     | RT    | EstConc | Units | Response | --Internal Standard-- |       |         |      |
|----------------------|-------|---------|-------|----------|-----------------------|-------|---------|------|
|                      |       |         |       |          | #                     | RT    | Resp    | Conc |
| Propane, 1,1-dime... | 2.17  | 2.3     | ng    | 168531   | 1                     | 6.81  | 1457440 | 20.0 |
| 2-Pentanone, 4-hy... | 5.02  | 2.6     | ng    | 192427   | 1                     | 6.81  | 1457440 | 20.0 |
| Cetene               | 11.79 | 2.5     | ng    | 234779   | 4                     | 11.34 | 1867220 | 20.0 |
| n-Hexadecanoic acid  | 11.87 | 16.4    | ng    | 1534400  | 4                     | 11.34 | 1867220 | 20.0 |
| Benzaldehyde, 3,5... | 11.95 | 2.2     | ng    | 201538   | 4                     | 11.34 | 1867220 | 20.0 |
| Octadecanoic acid    | 12.66 | 6.4     | ng    | 595814   | 4                     | 11.34 | 1867220 | 20.0 |
| Fluoranthene, 2-m... | 13.00 | 2.0     | ng    | 197964   | 5                     | 13.98 | 1971620 | 20.0 |
| Pyrene, 1-methyl-    | 13.11 | 2.0     | ng    | 201798   | 5                     | 13.98 | 1971620 | 20.0 |
| Pentafluoropropio... | 13.83 | 9.8     | ng    | 962329   | 5                     | 13.98 | 1971620 | 20.0 |
| Hexadecane           | 14.15 | 2.6     | ng    | 258650   | 5                     | 13.98 | 1971620 | 20.0 |
| Heptadecane          | 14.46 | 3.7     | ng    | 365809   | 5                     | 13.98 | 1971620 | 20.0 |
| Hexacosane           | 14.76 | 4.1     | ng    | 238159   | 6                     | 15.44 | 1162510 | 20.0 |
| Squalene             | 14.84 | 6.7     | ng    | 391463   | 6                     | 15.44 | 1162510 | 20.0 |
| 1-Iodoundecane       | 15.10 | 8.4     | ng    | 488371   | 6                     | 15.44 | 1162510 | 20.0 |
| Benzo[e]pyrene       | 15.31 | 10.4    | ng    | 601359   | 6                     | 15.44 | 1162510 | 20.0 |